

95. AN ENHANCED GENERIC FRAME WORK FOR PROVABLY SECURE THREE FACTOR AUTHENTICATION IN DISTRIBUTED SYSTEM

R.BHAVANI

Department of Electronics and Communication Engineering ,Sathyabama University

Tamil Nadu, India. Mail id: bhavichan@gmail.com

In the wide spread of distributed computer network, remote authentication has been introduced to identify a user or client remotely. This paper deals with the privacy and security for authenticating the clients with three factors namely, 1.Smart card 2. Password 3. Biometric. The proposed generic framework enhances the security of existing two factor authentications to three factor authentication without the client privacy. This is an upgraded generic frame work of three factor authentication. The main advantage of this method is low cost and protects client privacy and security in distributed system. The formal proof and implemented analysis shows that the derived scheme preserves privacy and security.

Index terms: Authentication, Distributed System, Security, Privacy, Password, Smart Card and Biometrics.

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